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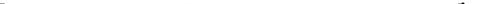
Substitute for form 1449B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Resubmitted: 4/16/04 <small>Use as many sheets as necessary)</small>		<b>Application Number</b> 09/989,913 <b>Filing Date</b> 11/20/2001 <b>First Named Inventor</b> Theresa M. Buckley <b>Group Art Unit</b> 1773 <b>Examiner Name</b> Ramsey E. Zacharia <b>Attorney Docket Number</b> 046577-0103	
Sheet	1	of	1

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>8</sup>
REZ	A14	J.L.A. Majendie pg. 95 of "Diver Heating" from Equipment for the working diver; symposium proceedings February 24-25, 1970, Columbus, OH	Y

Examiner Signature		Date Considered	7/21/04
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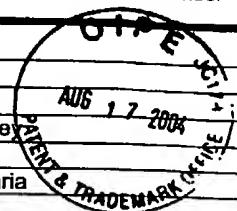
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Sheet	1	Of	3	Application Number	09/989,913
				Filing Date	11/20/2001
				First Named Inventor	Theresa M. Buckley
				Group Art Unit	1773
				Examiner Name	Ramsey E. Zacharia
				Attorney Docket Number	046577-0103



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
REZ	D1	4,807,696		Colvin et al.	02-28-1989	
REZ	D2	4,911,232		Colvin et al.	03-27-1990	
REZ	D3	5,141,079		Whitney et al.	08-25-1992	
REZ	D4	5,148,861		Colvin et al.	09-22-1992	
REZ	D5	5,224,356		Colvin et al.	07-06-1993	
REZ	D6	6,057,266		Colvin et al.	05-02-2000	
REZ	D7	6,298,907	B1	Colvin et al.	10-09-2001	
REZ	D8	6,373,058	B1	McKinney et al.	04-16-2002	
REZ	D9	6,418,832	B1	Colvin	07-16-2002	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>			
REZ	D10	WO	94/02257	Buckley	02-03-1994	T <sup>6</sup>

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REZ	D11	Bayes, S. A., "A Nonventing Cooling System for Space Environment Extravehicular Activity, Using Radiation and Regenerable Thermal Storage", SAE Technical Paper Series, 18 <sup>th</sup> Intersociety Conf. on Environmental Systems (July 11-13, 1988).				
REZ	D12	BMDO, "Enhanced Heat Transfer and Storage Materials for Strategic Defense Systems", Triangle Res. & Dev., Small Business Innovative Research, Award date: 1986 (Abstract).				
REZ	D13	Bue et al., "Advanced Suit Design Analyzer Computer Program", 22 <sup>nd</sup> International Conference on Environmental Systems, (July 13-16, 1992).				
REZ	D14	Case for Mars V, American Astronautical Society, Vol. 97, Science and Technology Series, Conf., pp. 509-510 (May 26-29, 1993).				
REZ	D15	Colvin et al., "Enhanced Heat Transport in Environmental Systems Using Microencapsulated Phase Change Materials", 22 <sup>nd</sup> International Conference on Environmental Systems, (July 13-16, 1992).				
REZ	D16	Colvin et al., "Thermal Management of Electronic Systems Using Diamond Heat Spreaders and Microencapsulated PCM Coolants", 1997 National Heat Transfer Conf. (August, 1997).				
REZ	D17	DOD-AF, "Spacecraft Heat Rejection Methods: Active and Passive Heat Transfer for Electronic Systems", Triangle Res. & Dev., Small Business Innovative Research, Award date: 1985-1986 (Abstract).				
REZ	D18	DOD-AF, "Enhanced Thermal Energy Storage in Clothing With Impregnated PCM", Triangle Res. & Dev., Small Business Innovative Research, Award date: 1987 (Abstract).				
REZ	D19	DOD-NAVY, "Electro rheological Damper Using MicroPCM Fluid", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1991 (Abstract).				

Examiner Signature		Date Considered	9/13/04
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Date Submitted: August 17, 2004

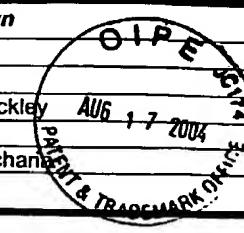
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Sheet 2 Of 3

Complete if Known

Application Number	09/989,913
Filing Date	11/20/2001
First Named Inventor	Theresa M. Buckley
Group Art Unit	1773
Examiner Name	Ramsey E. Zacharia

Attorney Docket Number 046577-0103



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REZ	D20	DOD-NAVY, "Enhanced Thermal Energy Storage in Clothing with", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1992 (Abstract).	
REZ	D21	DOD-NAVY, "Passive PCM Microclimate Body Undergarment Thermal Management System", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1992 (Abstract).	
REZ	D22	DOD-NAVY, "Using Diamond Film Heat Spreaders and Microencapsulated Phase Change Materials for Electronics Cooling", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1995 (Abstract).	
REZ	D23	DOD-NAVY, "Lightweight, Regenerative MicroPCM Portable Environmental Control Systems (PECS) Garments", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1996 (Abstract).	
REZ	D24	DOD-NAVY, "Lightweight, Regenerative MicroPCM Portable Environmental Control Systems (PECS) Garments", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1998 (Abstract)	
REZ	D25	Kuznetz, L. H., "Space Suit and Life Support Systems for the Exploration of Mars", AIAA Space Proj. & Technol. Conf. 90-3732 (September, 1990).	
REZ	D26	Kuznetz, L. H., "Space Suit and Life Support Systems for the Exploration of Mars", Journal of The British Interplanetary Society, Vol. 45, pp. 215-224 (1992).	
REZ	D27	Mulligan, J. C., et al., "Use of Two-Component Fluids of Microencapsulated Phase-Change Materials for Heat Transfer in Spacecraft Thermal Systems", 6 <sup>th</sup> AIAA/ASME Joint Thermophysics and Heat Transfer Conference (June 20-23, 1994).	
REZ	D28	NASA Tech Brief, "Design Concept/Algorithm for Integrated Passive Body Cooling Garment Using A Phase Change Material (PCM) Slurry", vol. 15, issue 7, p. 44 (July 1991).	
REZ	D29	NASA, "Space Suit Thermal Control Using Non-Toxic Microencapsulated Two-Phase PCM Fluid", Triangle Res. & Dev., Small Business Innovative Research, Award date: 1988 (Abstract).	
REZ	D30	NASA, "Spacesuit Glove-Liner with Enhanced Thermal Properties for Improved Comfort", Triangle Res. & Dev., Small Business Innovative Research, Award date: 1989 (Abstract).	
REZ	D31	NASA Tech Briefs, "Garment Would Provide Variable Cooling", (1991)	
REZ	D32	NASA Tech Briefs, "Phase-Change Heat-Storage Module", p. 103, (April 1989).	
REZ	D33	NASA Tech Briefs, "Microencapsulated Phase-Change Materials for Storage of Heat", Machinery, Books and Report, (July 1989)	
REZ	D34	NSF, "Spinning Performance of Melt-Spun Fibers Containing Microencapsulated Phase Change Material", Triangle Res. & Dev., Small Business Innovative Res., Award date: 2000 (Abstract).	
REZ	D35	NSF, "Spinning Performance of Melt-Spun Fibers Containing Microencapsulated Phase Change Material", Triangle Res. & Dev., Small Business Innovative Res., Award date: 2001 (Abstract).	
REZ	D36	NSF, "Two-Component Cutting/Coolant Fluids for High-Speed Machining", Triangle Res. & Dev., Small Business Innovative Research, Award date: 1990 (Abstract).	
REZ	D37	NSF, "Two-Component Cutting/Coolant Fluids for High-Speed Machining", Triangle Res. & Dev., Small Business Innovative Research, Award date: 1992 (Abstract).	
REZ	D38	NSF, "Materials for Extending Endurance and Productivity of Underwater Divers in Cold Waters", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1995 (Abstract).	
REZ	D39	NSF, "Regulation of Moisture and Thermal Microenvironments to Improve Mycoherbicides", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1997 (Abstract) Phase I.	
REZ	D40	NSF, "Regulation of Moisture and Thermal Microenvironments to Improve Mycoherbicides", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1997 (Abstract) Phase II.	
REZ	D41	NSF, "Investigation of Phase Change Materials Microcapsules for High Temperature Applications", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1996.	

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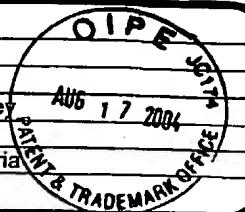
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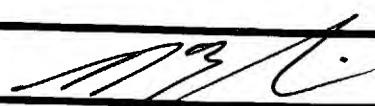
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Sheet 3 Of 3				Attorney Docket Number	046577-0103



AUG 17 2004  
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REZ	D42	NSF, "Stabilization of Microenvironmental Temperatures on Plant Surfaces with Microencapsulated Phase Change Materials to Prevent Frost/Freeze Damage", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1998.		
REZ	D43	Quagliaroli, J., et al., "In-House Testing of Thermal Material for Space Application", Amer. Inst. Of Aeronautics & Astronautics (2001) AIAA Paper No. 2001-1450.		
REZ	D44	SOCOM, "Hybrid Lightweight Protective Body Armor with Impact Absorption and Passive Thermal Management", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1998 (Abstract).		
REZ	D45	Trevino, L. A., et al., "Advanced Space Suit Insulation Feasibility Study", SAE Technical Paper Series, 30 <sup>th</sup> Intl. Conf. on Environmental Systems (July 10-13, 2000).		
REZ	D46	USDA, "Phyllosphere Microclimate with Micropcms to Improve Mycoherbicides", Triangle Res. & Dev., Small Business Innovative Res., Award date: 1998		
REZ	D47	USAF Small Business Innovation Research Program, "Microencapsulated Phase Change Materials for Enhanced Heat Transport and Storage in Electronic Systems", res. Performed by Dr. David P. Colvin		
	D48			
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